THE BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LIMITED

 eNIT/DGM(P-V)/BEARING/MANIPUR/R3/7-2017/Corrigendum
 Date: 18.02.2017

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### CORRIGENDUM-1

### TENDER ID: 2017\_BBJC\_173023\_1

#### REF: eNIT/DGM(P-V)/BEARING/MANIPUR/R3/7-2017 Dt. 07.02.2017

SUB: DESIGN, PREPARATION OF DRAWING, APPROVAL FROM RAILWAY OR THEIR AUTHORISED REPRESENTATIVE, SUPPLYING, MANUFACTURING, PAINTINING AND TRANSPORTING OF SPHERICAL BEARINGS INCLUDING ANCHOR PLATES & BOLTS AS PER APPROVED DRAWINGS. TRANSPORTATION TO THE DESTINATION (MENTIONED IN BOQ-1) AS PER THE INSTRUCTION OF BBJ.

### ALTERATION TO OUR ABOVE REFERRED ENIT DATED 07.02.2017 IS AS FOLLOWS:

- A. Annexure-1 as available with is hereby revised and shall be read as "**Revised Annexure – 1**" as attached along with this Corrigendum-1.
- B. Load Data of 28.5M Span for Bridge No. 164 is attached herewith at Annexure-2.
- C. Related BBJ's drawings required for design and manufacturing bearings for Manipur project Bridge No. 130 & 164 as attached at **Annexure-3**;

All other terms & conditions of the above mentioned in NIT will remain unchanged.

THIS CORRIGENDUM WILL BE TREATED AS PART OF THE MAIN TENDER DOCUMENT AND MUST BE SUBMITTED WITH THE TENDER DULY SIGNED AND SEALED BY THE AUTHORIZED SIGNATORY.

(A. NEOGI) DGM(P-V)

## **Revised Annexure - 1**

# NIT NO. - eNIT/DGM (P-V)/BEARING/MANIPUR/R3/7-2017 Dt. 07.02.2017

Bridge No.	Type of group	Span	Type of bearing	V <sub>max</sub> (MT)	V <sub>min</sub> (MT)	H <sub>L</sub> (MT)	H <sub>T</sub> (MT)	Load condition	Maximum longitudinal movement
				1300			429	Trans	
			Fixed		-261		286	Seismic	
164 and A 130			rixeu	728		866		Long	
	Δ	103.5M			130	825		Seismic	
	Λ	105.51		1300			429	Trans	
		2	Free		-261		286	Seismic	10010
			Free	728				Long	+ / - 130MM
					130			Seismic	
		69.0M		1052		-	381	Trans	
164 B					-284		250	Seismic	
			Fixed	527		516		Long	
	D				57	484		Seismic	
	Б		Free	1052			381	Trans	+ / - 80MM
					-284		250	Seismic Long	
				527					
					57			Seismic	
1				720			001		
			-	739	0.0		221	Trans	
			Fixed	170	-98		145	Seismic	
				470		417		Long	

				470		417		Long	
130	С	69.0M			90	386		Seismic	
100	Ŭ	09.01		739			221	Trans	
			Free		-98		145	Seismic	. /
			FICC	470				Long	+ / - 80MM
					90			Seismic	



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STUP Consultants Pvt. Ltc

OFFICE OF ORIGIN

# KOLKATA

**OWNER CLIENT** 

### NORTHEAST FRONTIER RAILWAY

CONTRACTOR CLIENT

PROJECT

PROPOSED BRIDGE NO. 164 (AT Km 86/996) BETWEEN KHONGSONG AND NONEY UNDER NEW BG RAIL LINE CONSTRUCTION BETWEEN JIRIBAM & TUPUL (IMPHAL)

TITLE

### BEARING LOAD DATA OF 30 M SPAN - Br. No. 164

DATE	REV. NO.	MODIFICATI	ON / PU ISSUE	SHEET NOS /		PARED	CHEC			SIGNATUR
17.02.17	R0	FOR APPRO	OVAL		PMD	SIGNATURE	SSG	SIGNATURE	SSG	
					-					
									S	
-										
DATE 17/02/17		SHEETS (1 + ) = Pgs	NOTE 92	93/E/DN- (R0)		10	APPROVED CHIEF MANAGER (DESIGN)			ER

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Note No. 15-10-2012 DMD

Date:

STUP Consultants Pvt. Ltd.

By:

Sheet No.

Br.No. 164 (30 m span) Bearing Load Details :

Qty	Son)	-		14						3			
		Transve	rse	13			i.	r	1		1	1	
	Moveme	Longitu Transve	dinal	12			ı	1	T .		I.	ı	
	(Rad)		Magnitude	11			0.0059	0.0042	0.0059	0.0042	0.0176	-0.0056	
otation Data	Rotation (Rad)	F	Case	10	2		Co- existing	Co- existing	Co- existing	Co- existing	Co- existing	Co- existing	
nents and R			I ransverse	INIAGIIITUUG	0		1	1	ı	I.	147	124	
ces, Mover	orce (T)	and a	51	Case	•	1	Co- existing	Co- existing	Co- existing	Co- existing	Co- existing (Seismic on 50% LL & Seismic on DL)	Co- existing (Seismic	
Coexisting Loads , Forces, Movements and Rotation Data	Horizontal Force (T)	-	dinal	Magnitude			33	1	233	217		1	
Coexisting			gitu	9	9		Co-existing (Braking Force)	Co-existing	Co-existing (Braking Force & Seismic on	Co-existing (Seismic on DL)	Co-existing	Co-existing	
	(T) pad	1.1 000	Magnitude	2000	2		151	87	205	44	449	-143	
	Vartical Load (T)			Case	4	0	Maximum (DL+LL)	Minimum (DL)	Maximum (DL+ 50% LL)	Minimum (DL)	Maximum (DL+ 50% LL)	Minimum (DL)	
Load					3	Parmanent		Normal	Long	Seismic	Trans Seismic		
5	addi				2					Fixed Bearing			
SI No.					-					-			

Annexure-2

SI No. Bearing Load Type Condition	Q a ∎	Vertical Load (T) Case Magnitude									
	D Ma	al Load (T) Magnitude	Coexistir	To Loads E	and a start						
	(D Ma	Magnitude		L'enpor R	orces, Mov	ements an	Process, Movements and Rotation Data	lata			
11-		Magnitude		Horizontal Force (T	Force (T)		Deter				et o
		and a state of the	¢	Longitudinal	Tran	ransverse	KOLAL	Kotation (Kad)	Movem	Movement (mm)	-
Parma		5	3	Magnitude	Case	Magnitude	Case	Magnitude	Longitu	Longitu Transve	-
				-	8	6	10	11	4.0	rse	
			Co-existing						-	2	4
Normal		151	(Braking	ı	Co- existing	ł	ò	0.0050	10.0		
	Minimum	87	Co-avieting		Co-		Guitsixa	-	0.01	1	
			Bunsivero	1	existing	1	ovieting	0.0042	0.8-	1	
	Maximum		Co-existing				Bunerva			1	
Long Seismic		205	(Braking Force & Seismic on	ı	Co- existing	i	Co- existing	0.0059	25.8	1	
Slideina-	Minimum		Co-existing						-		
2 Guided	(DL)	44	(Seismic on DL)	ı	Co- existing	ı	Co-	0.0042	-17.0		
Banng					2		Bunerva			ı	
Trans Seismic	Maximum (DL+50% LL)	449	Co-existing	1	existing (Seismic on 50% LL & Seismic on DL)	147	Co- existing	0.0176	50.0	1	m
	Minimum				-o-						
	(DL)	-143 C	Co-existing	1	existing (Seismic on DL)	124	Co- existing	-0.0056	-50.0	ı	

Note No. Sheet No. 15-10-2012 PMD

Date: By:

STUP Consultants Pvt. Ltd.

Annexure-2

### THE BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LIMITED eNIT/DGM(P-V)/BEARING/MANIPUR/R3/7-2017/Corrigendum

Date: 18.02.2017

#### Annexure-3

Related BBJ's drawings required for design and manufacturing bearings for Manipur project – Bridge No. 130 & 164

SI. No.	Span	Drawing No.	Revision
A	103.5M		
1		2140/103.5M/FAB-04	В
2		2140/103.5M/FAB-55	A
В	69.0M		
1		2140/103.5M/FAB-17	A
2		2140/103.5M/FAB-18	В
С	28.5M	2140/28.5M/FAB-02	1









